

WATER CONVERSION TABLE

GPM = Gallons per minute CFS = Cubic feet per second AF = Acre-feet

1 Cubic foot of water equals	7.48	Gallons
.....	1,728	Cubic Inches
1 AF of water equals		1 foot of water on 1 acre
.....	325,851	Gallons
.....	43,560	Cubic feet
1 CFS equals	448.8	GPM
.....	1.98	AF per day
.....	40	Miner's inches
1 GPM equals	1,440	Gallons per 24 hour day
.....	1.61	AF per year

QUICK CONVERSIONS

MI X 11.22 = GPM	CFS X 40 = MI
MI ÷ 40 = CFS	CFS X 448.8 = GPM
MI X .0495 = AF/DAY	CFS X 1.98 = AF/DAY
GPM ÷ 11.22 = MI	AF/DAY — 1.98 = CFS
GPM ÷ 448.8 = CFS	AF/DAY — 226.67 = GPM
GPM ÷ 226.67 = AF/DAY	AF/DAY — .0495 = CFS

GENERAL WATER REQUIREMENTS

DOMESTIC USE

1 family - up to 5 people	1 AF/YR	1 acre shelter belt	2.50 AF/season
1 acre lawn & garden	2.50 AF/season	Shop use	1 AF/YR

STOCKWATER USE

An animal unit (AU) is a measurement of livestock numbers. A cow and calf pair is one animal unit. Weaned animals are counted as one unit each.

Number of AUs X .017 = AF/YEAR

Number of AUs X .017 ÷ 365 x Days = AF/Number of days

1 Buffalo	3 Llamas	50 Geese
1.5 AU	1 AU	1 AU
1 Horse	3 Pigs	50 Ducks
1.5 AU	1 AU	1 AU
1 Dairy Cow	5 Sheep	100 Turkeys
1.5 AU	1 AU	1 AU
1 Beef Cow	300 Chickens	100 Rabbits
1 AU	1 AU	1 AU

OTHER USES

Crop Spraying

Gallons/acre X acres ÷ 325851 = AF/YR